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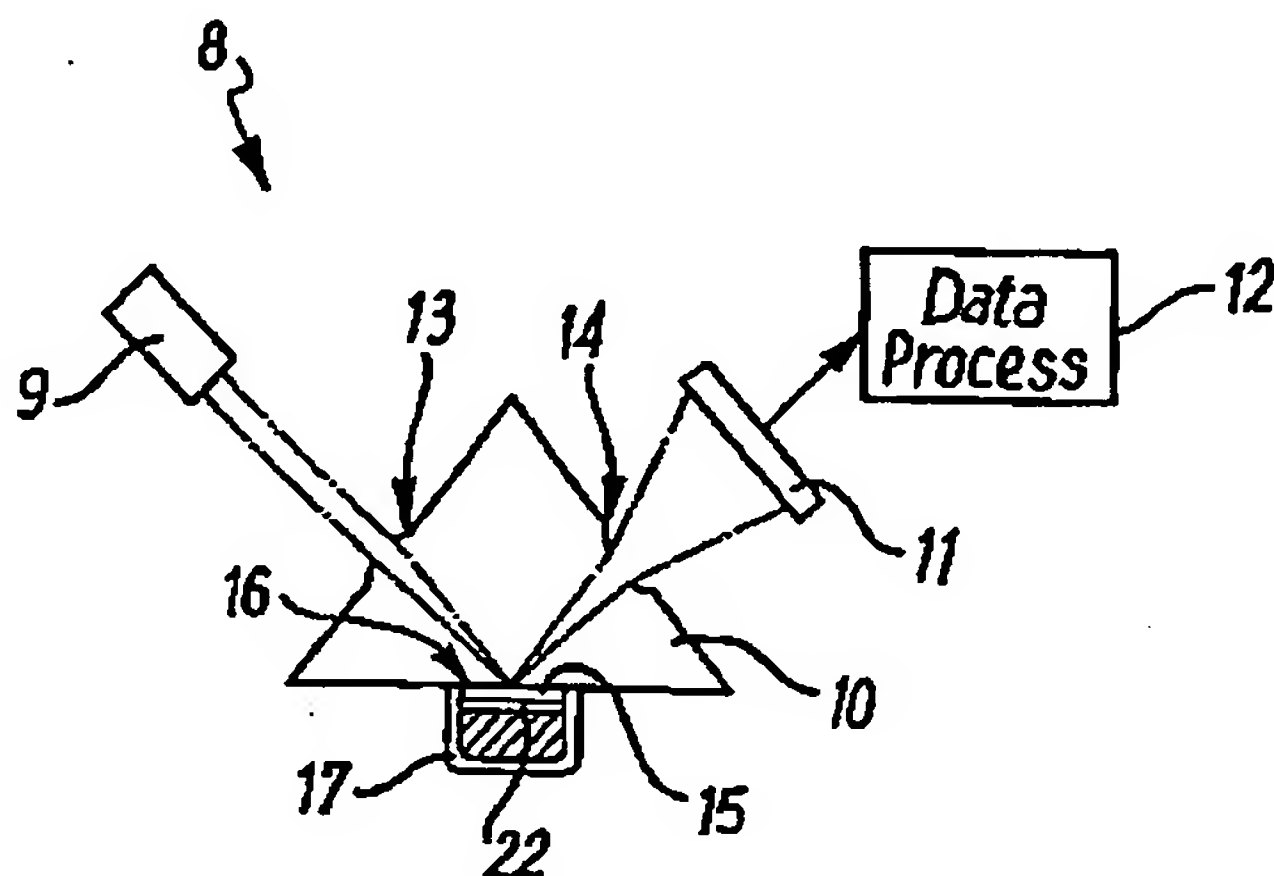
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(54) Title: SURFACE PLASMON RESONANCE SENSOR



(57) Abstract: An improved Surface Plasmon Resonance Sensor (8) is described that is compact, simple to align and cost effective to produce, thus making the device highly mobile and so ideal for field applications. These characteristics are achieved through the employment of a pre-formed cartridge (10) that provides for the required manipulation of a beam of light (2) used within the surface plasmon resonance process. The cartridge (10) is easily interchangeable and so provides a high degree of flexibility to the sensor (8). The device therefore provides a fast and simple means for the on site testing of fluids for the presence of harmful fluid borne bacterium. Particular application of the device is the testing of water samples obtained from industrial or recreational sources for the presence of the *Legionella* bacteria.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N21/55

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	<p>WO 92/05426 A (AMERSHAM INT PLC) 2 Apr11 1992 (1992-04-02)</p> <p>page 2, line 9 - line 19 page 4, line 18 - line 36 page 5, line 15 - line 21 page 6, line 21 - line 27 page 12, line 22 -page 13, line 19 page 14, line 24 -page 15, line 2 page 15, line 20 - line 24 page 16, line 2 - line 9 page 16, line 25 - line 30 page 19, line 3 - line 7 page 19, line 25 -page 20, line 30</p> <p style="text-align: center;">-/-</p>	<p>1-12, 17-20 13-16</p>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	US 2001/040130 A1 (CULLEN DAVID C ET AL) 15 November 2001 (2001-11-15) paragraph '0075! paragraph '0088!	13-16
A	US 5 164 589 A (SJOEDIN HAAKAN) 17 November 1992 (1992-11-17) column 3, line 63 -column 4, line 15	13-16

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